

RAW SEQUENCE LISTING

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Application Serial Number: 10/754,485
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/754,485

DATE: 10/27/2004

TIME: 12:54:23

Input Set : A:\sequence listing.txt
 Output Set: N:\CRF4\10272004\J754485.raw

3 <110> APPLICANT: HENDERSON, DANIEL R.
 5 <120> TITLE OF INVENTION: METHODS OF TREATING LUNG DISEASES
 7 <130> FILE REFERENCE: 057220/2302
 9 <140> CURRENT APPLICATION NUMBER: 10/754,485
 10 <141> CURRENT FILING DATE: 2004-01-09
 12 <150> PRIOR APPLICATION NUMBER: 60/439,373
 13 <151> PRIOR FILING DATE: 2003-01-09
 15 <150> PRIOR APPLICATION NUMBER: 60/480,047
 16 <151> PRIOR FILING DATE: 2003-06-20
 18 <150> PRIOR APPLICATION NUMBER: 60/494,841
 19 <151> PRIOR FILING DATE: 2003-08-12
 21 <160> NUMBER OF SEQ ID NOS: 54
 23 <170> SOFTWARE: PatentIn Ver. 3.2
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 30
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 33 <400> SEQUENCE: 1
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 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 51
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Artificial Sequence
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 45 <400> SEQUENCE: 2
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 50 <211> LENGTH: 794
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Homo sapiens
 54 <400> SEQUENCE: 3
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 56 actcctgtct tgcattgcac taagtcttgc acttgtcaca aacagtgcac ctacttcaag 120
 57 ttctacaaag aaaacacagc tacaactgga gcatttaactg ctggatttac agatgatttt 180
 58 gaatggaaatt aataattaca agaatccaa actcaccagg atgctcacat ttaagttta 240
 59 catgcccaag aaggccacag aactgaaaca tcttcagttt ctagaagaag aactcaaacc 300
 60 tctggaggaa gtgctaaatt tagtcaaag caaaaacttt cacttaagac ccagggactt 360
 61 aatcagcaat atcaacgtaa tagtcttgg actaaaggaa tctgaaacaa cattcatgtg 420
 62 tgaatatgct gatgagacag caaccattgt agaatttctg aacagatgga ttacctttg 480
 63 tcaaagcatc atctcaacac taacttgata attaagtgtc tccacttaa aacatatcag 540

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64 gccttctatt tattaaata tttaaatttt atatttattt ttgaatgtat ggttgctac 600
 65 ctattgtaac tattattctt aatctaaaaa ctataaatat ggatcttta tgattcttt 660
 66 tgtaagccct aggggctcta aatggtttc acttatttt cccaaaatat ttattattat 720
 67 gttgaatgtt aaatatagtt tctatgtaga ttggtagta aaactattta ataaatttga 780
 68 taaatataaa aaaa 794
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 72 <211> LENGTH: 462
 73 <212> TYPE: DNA
 74 <213> ORGANISM: Homo sapiens
 76 <400> SEQUENCE: 4
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 78 gcacctactt caagttctac aaagaaaaca cagctacaac tggagcattt actgctggat 120
 79 ttacagatga tttgaatgg aattaataat tacaagaatc ccaaactcac caggatgctc 180
 80 acatthaagt ttacatgcc caagaaggcc acagaactga aacatcttca gtgtctagaa 240
 81 gaagaactca aacctctgga ggaagtctca aatttagctc aaagcaaaaa ctttcactta 300
 82 agaccaggg acttaatcag caatatcaac gtaatagttc tggaaactaaa gggatctgaa 360
 83 acaacattca tggatgtgataa tggatgtgag acagcaacca ttgttagaatt tctgaacaga 420
 84 tggattaccc tttgtcaaaag catcatctca acactaactt ga 462
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 88 <211> LENGTH: 13
 89 <212> TYPE: PRT
 90 <213> ORGANISM: Artificial Sequence
 92 <220> FEATURE:
 93 <223> OTHER INFORMATION: Description of Artificial Sequence: Spacer peptide
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 96 Gly Ser Thr Ser Gly Ser Gly Lys Ser Ser Glu Gly Lys
 97 1 5 10
 100 <210> SEQ ID NO: 6
 101 <211> LENGTH: 53
 102 <212> TYPE: DNA
 103 <213> ORGANISM: Artificial Sequence
 105 <220> FEATURE:
 106 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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 109 gtagcggcaa atcctctgaa ggcaaacagg tgcagctgg gcaatcaggg gga 53
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 113 <211> LENGTH: 24
 114 <212> TYPE: DNA
 115 <213> ORGANISM: Artificial Sequence
 117 <220> FEATURE:
 118 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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 121 acctaggacg gtgaccttgg tccc 24
 124 <210> SEQ ID NO: 8
 125 <211> LENGTH: 59
 126 <212> TYPE: DNA
 127 <213> ORGANISM: Artificial Sequence
 129 <220> FEATURE:
 130 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

RAW SEQUENCE LISTING DATE: 10/27/2004
PATENT APPLICATION: US/10/754,485 TIME: 12:54:23

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132 <400> SEQUENCE: 8
133 gatccctagg tggcgccgga agcggcggag gctccgcacc tacttcaagt tctacaaag 59
136 <210> SEQ ID NO: 9
137 <211> LENGTH: 38
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
144 <400> SEQUENCE: 9
145 ctcgagttat taagttatgtg ttgagatgtat gctttgac 38
148 <210> SEQ ID NO: 10
149 <211> LENGTH: 14
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
156 <400> SEQUENCE: 10
157 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Glu Phe
158 1 5 10
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 31
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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170 gatcgatatac atgtacagga tgcaactgct g 31
173 <210> SEQ ID NO: 12
174 <211> LENGTH: 34
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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185 <210> SEQ ID NO: 13
186 <211> LENGTH: 43
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
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194 atggcgttga cctttcggtt actgggtggcc ctcctgggtgc tca 43
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198 <211> LENGTH: 39
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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205 <400> SEQUENCE: 14
 206 ccagtttca ttccttactt cttaaacttt ctggcaagt 39
 209 <210> SEQ ID NO: 15
 210 <211> LENGTH: 567
 211 <212> TYPE: DNA
 212 <213> ORGANISM: Homo sapiens
 214 <400> SEQUENCE: 15
 215 atggcggtga ccttgcgtt actgggtggcc ctccgtgtgc tcagctgcaa gtcaagctgc 60
 216 tctgtgggct gtgatctgcc tcaaaccac agcctggta gcaggaggac cttgatgctc 120
 217 ctggcacaga tgaggagaat ctcttttc tcctgtgtga aggacagaca tgactttgga 180
 218 tttcccccagg aggagtttgg caaccagttc caaaaggctg aaaccatccc tgtcctccat 240
 219 gagatgatcc agcagatctt caatctttc agcacaagg actcatctgc tgcttggat 300
 220 gagaccctcc tagacaaatt ctacactgaa ctctaccagc agctgaatga cctgaaagcc 360
 221 tgtgtataac aggggttggg ggtgacagag actccctga tgaaggagga ctccattctg 420
 222 gctgtgagga aataacttcca aagaatcaact ctctatctga aagagaagaa atacagccct 480
 223 tgtgcctggg aggttgcag agcagaaatc atgagatctt tttctttgtc aacaaacttg 540
 224 caagaaagtt taagaagtaa ggaataa 567
 227 <210> SEQ ID NO: 16
 228 <211> LENGTH: 53
 229 <212> TYPE: DNA
 230 <213> ORGANISM: Artificial Sequence
 232 <220> FEATURE:
 233 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 235 <400> SEQUENCE: 16
 236 accgtccctag gtgggtggcg agggtcatgt gatctgcctc aaaccacag cct 53
 239 <210> SEQ ID NO: 17
 240 <211> LENGTH: 55
 241 <212> TYPE: DNA
 242 <213> ORGANISM: Artificial Sequence
 244 <220> FEATURE:
 245 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 247 <400> SEQUENCE: 17
 248 tcctcgaggt cgacgcttagc ttattattcc ttacttctta aactttcttg caagt 55
 251 <210> SEQ ID NO: 18
 252 <211> LENGTH: 1269
 253 <212> TYPE: DNA
 254 <213> ORGANISM: Artificial Sequence
 256 <220> FEATURE:
 257 <223> OTHER INFORMATION: Description of Artificial Sequence: sFv-alpha-IFN
 258 chimera nucleotide sequence
 260 <400> SEQUENCE: 18
 261 atgaaatacc tattgcctac ggcagccgtt ggattgttat tactcgccgc ccagccggcc 60
 262 atggcccagg tacagctgca gcaatcaggg ggaggcgtgg tccagcctgg gaggtccctg 120
 263 agactctcct gtgcagcctc tggattcacc ttcagtagct atgctatgca ctgggtccgc 180
 264 caggctccag ggaaggggct ggagtggttc tcagcttta gtggtagtgg tggtagcaca 240
 265 tactacgcag actccgtgaa gggccgggtc accatctcca gagacaacgc caagaactca 300
 266 ctgtatctgc aaatgaacag cctgagagcc gaggacacgg ctgtgttata ctgtgcgaga 360
 267 gatacccgag ggtacttcga tctctggggc cgtggcaccc tggtcaccgt ctccctcagg 420
 268 ggccggagggc catctgagct gactcaggac cctgctatgt ctgtggccctt gggacagaca 480

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269 gtcagaatca catgtcaagg ggacagtctc agaaaagtatc atgcaagctg gtatcagcag 540
 270 aagccaggc aggccctgt tcttgcata tatggtaaga atgaacgtcc ctcaggatc 600
 271 ccagagcgat tctctggtc cacctcagga gacacagctt ccttgaccat cagtggctc 660
 272 caggcgaag atgaggctga ctattactgt cactcccag actctaattgc tgatcttgc 720
 273 gtgtcggcg gagggaccaa ggtcaccgtc ctaggtggtg gcccgggtc atgtgatctg 780
 274 cctcaaaaccc acagcctggg tagcaggagg accttgatgc tcctggcaca gatgaggaga 840
 275 atctctctt tctctgtt gaaggacaga catgactttg gatttccccca ggaggagttt 900
 276 ggcaccagt tccaaaaggc tgaaccatc cctgtcctcc atgagatgtt ccagcagatc 960
 277 ttcaatctct tcagcacaaa ggactcatct gctgttggg atgagaccctt cctagacaaa 1020
 278 ttctacactg aactctacca gcagctgaat gaccttggaa cctgtgtgtat acaggggtt 1080
 279 ggggtgacag agactccctt gatgaaggag gactccattc tggtgtgtgaa gaaataacttc 1140
 280 caaagaatca ctctctatct gaaagagaag aaatacagcc ctgtgcctg ggaggttgc 1200
 281 agagcagaaa tcatgagatc ttttctttt tcaacaaaact tgcaagaaaat tttaagaagt 1260
 282 aaggaataa 1269
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 286 <211> LENGTH: 41
 287 <212> TYPE: DNA
 288 <213> ORGANISM: Artificial Sequence
 290 <220> FEATURE:
 291 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 293 <400> SEQUENCE: 19
 294 cctcgagata tcgcccacat gaccaacaag tgtctcctcc a 41
 297 <210> SEQ ID NO: 20
 298 <211> LENGTH: 37
 299 <212> TYPE: DNA
 300 <213> ORGANISM: Artificial Sequence
 302 <220> FEATURE:
 303 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 305 <400> SEQUENCE: 20
 306 ctcttagatct tcagcttagcg ttccggaggt aacctgt 37
 309 <210> SEQ ID NO: 21
 310 <211> LENGTH: 564
 311 <212> TYPE: DNA
 312 <213> ORGANISM: Homo sapiens
 314 <400> SEQUENCE: 21
 315 atgaccaaca agtgtctcct ccaaattgct ctcctgttgc gcttctccac tacagcttt 60
 316 tccatgagct acaacttgct tgattccata caaaagaagca gcaattttca gtgtcagaag 120
 317 ctccgtggc aattgaatgg gaggtttgaa tactgcctca aggacaggat gaactttgac 180
 318 atccctgagg agattaagca gctgcagcag ttccagaagg aggacgcgc attgaccatc 240
 319 tatgagatgc tccagaacat cttgttattt ttcagacaag attcatctag cactggctgg 300
 320 aatgagacta ttgttggaaa cctcctggct aatgttctatc atcagataaa ccatttgc 360
 321 acagtctgg aagaaaaact ggagaaaagaa gatttcacca ggggaaaactt catgaggcgt 420
 322 ctgcacctga aaagatatta tgggaggatt ctgcattacc tgaaggccaa ggagtacagt 480
 323 cactgtgcct ggaccatagt cagagtggaa atcctaagga acttttactt cattaaacaga 540
 324 cttaggtt acctccggaaa ctga 564
 327 <210> SEQ ID NO: 22
 328 <211> LENGTH: 54
 329 <212> TYPE: DNA
 330 <213> ORGANISM: Artificial Sequence

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/754,485

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